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Amendments To The Claims:

This listing of claims will replace all prior versions and listings of claims in the application. Applicants reserve the right to pursue any canceled claims at a later date.

1 - 12 (canceled)

13. (previously presented) A turbine component, comprising: a masking layer arranged on a portion of the component; and a plurality of material layers arranged on the component,

wherein one of the material layers is a thermal barrier coating layer applied to the masking layer and a portion of the thermal barrier coating layer and a portion of the masking layer chemically react to form a water soluble layer.

- 14. (previously presented) The turbine component as claimed in claim 13, wherein the turbine component is a blade or vane.
 - 15. (cancelled).
- 16. (previously presented) The turbine component as claimed in claim 15, wherein the thermal barrier coating comprises a bond coat.
- 17. (previously presented) The turbine component as claimed in claim 13, wherein the masking layer comprises carbon arranged on the outer surface of the masking layer.

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- 18. (previously presented) The turbine component as claimed in claim 17, wherein the reaction additionally provides a ceramic layer.
- 19. (previously presented) The turbine component as claimed in claim 13, wherein the masking layer comprises three sub-layers,
- a first sub-layer is arranged on a base material of the component and provides bonding to the base material of the component,
 - a second gradient sub-layer arranged on the first sub-layer, and
- a third reactive sub-layer arranged on the gradient layer and adapted to react with the layers of material applied to the component.
- 20. (previously presented) The turbine component as claimed in claim 19, wherein the first sub-layer comprises carbosilane.
- 21. (previously presented) The turbine component as claimed in claim 19, wherein the gradient layer comprises polysiloxane, a metal, or a metal-ceramic composite.
- 22. (previously presented) The turbine component as claimed in claim 19, wherein the gradient layer comprises polysiloxane, the metal, and a metal-ceramic composite.
- 23. (previously presented) The turbine component as claimed in claim 19, wherein a filler material is added to the gradient sub-layer to inhibit thermo-mechanical stresses in the masking layer.
- 24. (previously presented) The turbine component as claimed in claim 23, wherein a filler material is added to the gradient sub-layer to prevent thermo-mechanical stresses in the masking layer.

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- 25. (previously presented) The turbine component as claimed in claim 19, wherein a filler material is added to the gradient sub-layer to inhibit thermo-mechanical stresses between the masking layer and a substrate of the component.
- 26. (previously presented) The component as claimed in claim 13, wherein the masking layer is a gradient layer.
 - 27. (previously presented) A turbine blade or vane, comprising:
 - a substrate:
 - a masking layer applied to the substrate; and
 - a thermal barrier coating layer applied to the masking layer, wherein
- a portion of the thermal barrier coating layer and a portion of the masking layer chemically reacts to form a water soluble layer.
- 28. (previously presented) The turbine blade or vane as claimed in claim 27, wherein the masking layer is comprised of a fist sub-layer applied to the substrate, a gradient sub-layer applied to the first sub-layer, and a third reactive sub-layer applied to the gradient sub-layer.
- 29. (previously presented) The turbine component as claimed in claim 28, wherein the third sub-layer reacts with the thermal barrier coating layer to form the water soluble layer.
- (previously presented) The turbine component as claimed in claim 28,
 wherein the first sub-layer comprises carbosilane.
- 31. (previously presented) The turbine component as claimed in claim 28, wherein the gradient layer comprises polysiloxane, a metal, and a metal-ceramic composite.

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32. (previously presented) The turbine component as claimed in claim 28, wherein the masking layer is applied to a portion of the substrate.